University of Gdańsk

Subject card

Subject name and code	Identification of seed plants, PG_00198077						
Field of study	Natural Resources Conservation						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2026/2027			
Education level	Bachelor's studies		Subject group	Obligatory subject group in the field of study Subject group related to scientific research in the field of study			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	1		Language of instruction	Polish			
Semester of study	2		ECTS credits	5.0			
Learning profile	academic		Assessment form	credit			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor	dr Magdalena Dudek					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	60.0	0.0	0.0	60
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours	Self-study	SUM	
	Number of study hours	60		5.0	60.0	125	
Subject objectives	To learn and understand the methods used in identification. Learning about the morphology of plants and their morphological differentiation. Reviewing selected systematic groups with regard to their taxonomic characteristics.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OZPL3_W11] The graduate have an advanced knowledge and understanding of the concepts and terminology of natural science, as well as knowledge of the evolution of natural sciences and the research methods employed in them. They are also cognizant of the potential for practical application	- Student understands basic concepts and terminology of botany, and is familiar with research techniques used in botanical studies, including knowledge of how to use keys for identifying taxa (O_W11)	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[OZPL3_K03] The graduate is ready to identify priorities to achieve a task defined by him/ herself or others	- The student is able to appropriately determine priorities for the realization of a task defined by him/herself or others (O_K03)	[SK8] observation of student's independent or team work
[OZPL3_K06] The graduate is prepared to demonstrate responsibility for their own and others' safe working conditions in the laboratory and in the field, and is able to recognise hazardous situations and take appropriate action	- Student demonstrates responsibility for the safe working conditions of his/her own and others in the laboratory and is able to recognize hazardous situations and take appropriate actions (O_K06)	[SK8] observation of student's independent or team work
[OZPL3_W04] The graduate possesses advanced knowledge and understanding of the characteristics, systematics, and evolution of selected groups of organisms, as well as the basic concepts and mechanisms of evolution	- Student presents the characteristics, systematics and evolution of selected groups of seed plants, describes the differences between known species and taxa of higher level that allow their identification (O_W04)	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[OZPL3_U04] The graduate is able to plan and carry out simple research tasks in the biological sciences under the guidance of a supervisor	- Student plans and performs simple tasks in the field of botanical research with the support of the supervisor (O_U04)	[SU5] implementation of a problem task [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
[OZPL3_U06] The graduate is able to make observations and perform basic physical, biological and chemical measurements in the field or laboratory	- The student makes observations and measurements in the work aimed at identifying plants and learn about their diversity (O_U06)	[SU2] presentation/project/paper/ report [SU5] implementation of a problem task [SU6] demonstration of practical skills [SU8] observation of student's independent or team work

Subject contents

Topics related to plant taxonomy and classification. Types of identification keys. Taxonomic characteristics of the most richly represented seed plant families in the flora of Poland.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Laboratory part - assessment based on work sheets, tests, and presentation	51.0%	50.0%
Field part - species identification, independent field observation (e.g., database, student's herbarium)	51.0%	50.0%

Recommended reading

Basic literature	A.1. wykorzystywana podczas zajęć Goet J.-D. 1998. Pędy i pąki, rozpoznawanie drzew i krzewów w okresie spoczynku. Multico, Warszawa. Kucharczyk S. 2009. Flora wiosenna lasów. Bieszczadzki Park Narodowy. Rothmaler W. 2009. Exkursionflora von Deutschland, 3. Springer-Verlag Berlin, Heidelberg. Rutkowski L. 2004. Klucz do oznaczania roślin naczyniowych Polski niżowej. PWN, Warszawa. Szweykowska A., Szweykowski J. 2009. Botanika. PWN, Warszawa. A.2. studiowana samodzielnie przez studenta Szweykowska A., Szweykowski J. 2009. Botanika. PWN, Warszawa
Supplementary literature	None
eResources addresses	

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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